DOCUMENT RESUME

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ABSTRACT

Selected from the National Instructional Materials Information System (NIMIS)--a computer based on-line interactive retrieval system on special education materials--the bibliography covers 52 materials for teaching number concepts to learning disabled students at the primary grades. Entries are presented in order of NIMIS accession number and include the following information: publication date or copyright, price, author, title, series title, place of publication and publisher, audiovisual information, supplemental information (including evaluation), descriptors (index terms or subject headings which describe content), abstract, abstractor's initials, abstract preparation date, and preparation source number. Also given are title, publisher, and subject indexes. (SBH)

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ED145655

Learning Disabled: Number Concepts, Primary Grades

These materials were selected from NIMIS and judged potentially useful in teaching Number Concepts to Learning Disabled students at the Primary Grades level.

Date of Search: June, 1977
Number of Abstracts: 62

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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A bibliography of learning resources targeted to the needs of special education, compiled from the National Instructional Materials Information System

NIMIS

EC102680

How to Use

Order of arrangement (NIMIS Accession Number). Every abstract in the NIMIS system is assigned an Accession Number. The abstracts in each NIMIS bibliography are arranged in numerical order, from lowest to highest, by Accession Number. The Accession Number is also used as the reference number listed in the indexes.

Indexes by title, publisher, and subject. Unless the size of the bibliography does not warrant it, each bibliography has indexes. Listings in each index are in alphabetical order.

Descriptors in subject index. Six types of descriptors appear in the subject index, so that the user can search by (1) **format**, such as Films; (2) **curricular area**, such as Consumer Education; (3) **cognitive or perceptual emphasis**, such as Auditory Motor Integration; (4) **input or output modes**, such as Verbal Response; (5) **grade or instructional level**, such as Senior High Grades; and (6) **exceptionality**, such as Educable Mentally Handicapped. The official list (with definitions) of the more than 850 NIMIS descriptors appears in the third edition of *Instructional Materials Thesaurus for Special Education*, available in many learning resource centers, which may be obtained by sending $2.00 to Ohio State University Press, 2070 Neil Avenue, Columbus, Ohio 43210.

Using the indexes. NIMIS Accession Numbers appear after the heading (publisher, title, or descriptor). Use these numbers to locate relevant references in the list of abstracts.

Sample entry. Some abstracts will not include every specific piece of information shown in the labeled sample below, especially in the Supplemental Information field.

Sources of items listed. Materials listed here cannot be ordered through either NIMIS or NCEMMH. Every abstract lists publisher and place of publication. Complete addresses of publishers whose materials are abstracted in NIMIS are given in the third edition of *Publisher Source Directory*, available in many learning resource centers, which may be obtained for $3.00 from Ohio State University Press, 2070 Neil Avenue, Columbus, Ohio 43210. Some of the materials listed may also be available for loan from local, regional, or state materials centers.

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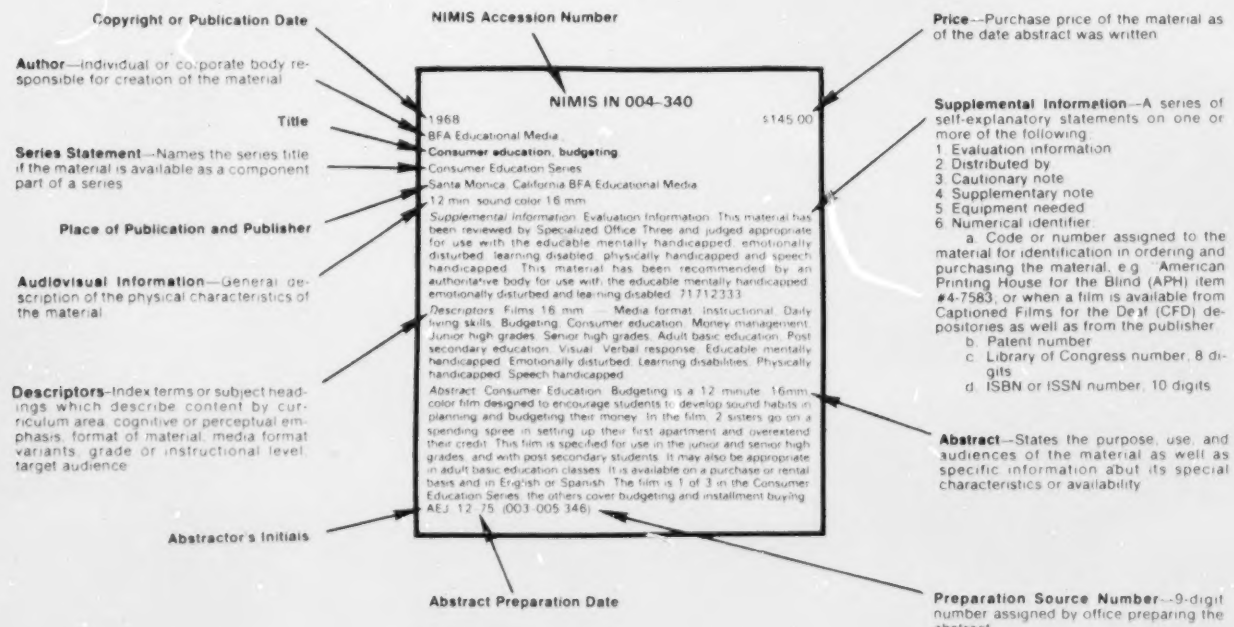

Abstracts

NIMIS IN 003–297

$2.75

Developmental Learning Materials

Reverse–a–peg grouping kit: two–by–five array.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, the emotionally disturbed, the learning disabled, the multiply handicapped and speech handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, the emotionally disturbed and the learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, the emotionally disturbed, and the learning disabled.

Descriptors: Manipulative materials, Geometric forms, Instructional leaflets — Media format; Instructional, Mathematics, Counting, Mathematics readiness, Number concepts, Regrouping, Addition, Subtraction, Kindergarten, Primary grades, Visual tactile, Nonverbal learning, Independent, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Speech handicapped, Multiply handicapped.

Abstract: "Reverse–a–Peg Grouping Kit – Two–by–Five Array" is designed to be used in elementary counting exercises, in programs of discovery and reinforcement of addition and subtraction number facts, and in presentations of the essentials of adding with carrying and of subtraction with borrowing. The kit consists of 2 identical plastic fields and 20 reversible plastic pegs, one blue and the other yellow. The pegs are to be fitted into the holes of the 2 fields which are both arranged in a 2–by–5 array. The reversibility of the pegs serves to illustrate graphically the composition of a sum in terms of its constituent addends. The material seems appropriate for kindergarten and the primary grade levels. There is an alternative version available in which the fields are arranged in a linear 10 array. LGG, 11–75. (003–005 051)

NIMIS IN 003–298

$2.75

Developmental Learning Materials

Reverse–a–peg grouping kit: linear ten array.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, the emotionally disturbed, the learning disabled, the multiply handicapped and speech handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, the emotionally disturbed and the learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, the emotionally disturbed, and the learning disabled.

Descriptors: Manipulative materials, Geometric forms, Instructional leaflets — Media format; Instructional, Mathematics, Counting, Manual, Number concepts, Regrouping, Addition, Subtraction, Kindergarten, Primary grades, Visual tactile, Nonverbal learning, Independent, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Speech handicapped, Multiply handicapped.

Abstract: "Reverse–a–Peg Grouping Kit – Linear Ten Array" is designed to be used in elementary counting exercises, in programs of discovery and reinforcement of addition and subtraction number facts, and in presentations of the essentials of adding with carrying and of subtraction with borrowing. The kit consists of 2 identical plastic fields and 20 reversible plastic pegs, one blue and the other yellow. The pegs are to be fitted into the holes of the 2 fields which are both arranged in a linear 10 array. The reversibility of the pegs serves to illustrate graphically the composition of a sum in terms of its constituent addends. The material seems appropriate for kindergarten and the primary grade levels. Instructions are included with the kit.There is an alternative version available in which the fields are arranged in 2–by–5 arrays. LGG, 11–75. (003–005 151)

NIMIS IN 003–306

$12.00

Developmental Learning Materials

Change and growth subtraction cards.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, the emotionally disturbed and the learning disabled. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, the emotionally disturbed and the learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, the emotionally disturbed, and the learning disabled.

Descriptors: Manipulative materials, Picture cards, Instructional leaflets — Media format; Instructional, Mathematics, Subtraction, Number concepts, Biology, Botany, Primary grades, Visual, Manual, Verbal response, Individualized instruction, Small group instruction, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Change and Growth Subtraction Cards" is designed to introduce subtraction and transformation of sets in a manner that connotes change and growth rather than a process of taking away. The material consists of 10 cards with hinged overlays which illustrate developmental changes in living things, i.e., an acorn becomes a tree, buds bloom into flowers, tadpoles change into frogs and eggs hatch into turtles, chicks or trout. The cards also show the relationship between transformation as a logical process and transformation as a biological process. The instructional level is the primary gades. Instructions are included. DAT, 11–75. (003–005 114)

NIMIS IN 003–338

1970 $ 9.75

Developmental Learning Materials

Sensanumber track.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviwed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning diasabled.

Descriptors: Games, Manipulative materials, Teachers' guides — Media format; Instructional, Mathematics, Perceptual motor learning, Measurement, Addition, Subtraction, Multiplication, Division, Fractions, Number concepts, Kindergarten, Primary grades, Visual tactile, Verbal response, Kinesthetic response, Independent, Kinesthetic method, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: Sensanumber Track is an 18" by 12' yellow, plastic runner printed in 3 colors and ruled at 12" intervals. The numerals 0–10 are printed on the runner with a line printed down the center of the

runner. As the graduated intervals are exact, pupils can practice their measurement skills by using standard rulers, yardsticks, and tape measures. Pupils can walk on the Sensanumber Track, providing a kinesthetic method of teaching numbers and spatial relationships. Through the use of the material, development of counting by ones and twos, odd and even numbers, and some number facts in addition and subtraction can be learned. This material may be used to introduce beginning concepts in multiplication, division, and may be used to introduce beginning concepts in multiplication, division, and fractions. The instructional level includes kindergarten and the primary grades. A teacher's manual accompanies the materials. Included with the track are large patterns for paper feet and suggestions for their use. CAN, 11–75. (003–005 142)

NIMIS IN 003–340

c1971 $223.00

Gladstone, David Gladstone, Joseph R. and

Mathematics involvement problem.

Chicago, Illinois Science Research Associates, Inc.

Supplemental Information: Evaluation Information: This materials has been reviewed by the Specialized Office Three and judged as appropriate for use with the educable mentally handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled. BAA, 10–75.

Descriptors: Kits, Activity cards, Manipulative materials, Teachers' guides — Media format; Instructional, Mathematics, Sets, Number concepts, Operational properties, Primary grades, Teacher directed, Addition, Subtraction, Multiplication, Division, Numeration, Geometry, Graphing, Measurement, Problem solving, Kindergarten, Intermediate grades, Visual, Manual, Verbal response, Written response, Independent, Individualized instruction, Small group instruction, Educable mentally handicapped, Emotionally disturbed, Learning disabled.

Abstract: Mathematics Involvement Program is a supplemental program designed to teach mathematical concepts and skills through concrete and problem–solving experiences. The activities are organized by major math areas such as numbers, geometry and measurement, and are divided into 7 levels of difficulty. The specified instructional and interest levels of this material are kindergarten through grade 6. Verbal, written and manipulative responses are required. The level of the student would determine if he or she could work independently or with teacher direction. The publisher recommends this material for use with slow learners because a minimal amount of reading is required.. The Mathematics Involvement Program contains 252 activity cards, spirit masters for progress charts, all necessary manipulative materials and a teacher's handbook. The teacher's handbook contains instructions for using this material, teaching hints, evaluation questions and suggestions for reinforcement and enrichment activities. Some paper items can be purchased separately when replacements are needed. BAA, 10–75. (003–002 087)

NIMIS IN 003–402

$3.00

Developmental Learning Materials

Number–hole template.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, speech handicapped and trainable mentally handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Stencils — Media format; Instructional, Mathematics, Counting, Number concepts, Early childhood, Kindergarten, Grade 1, Written response, Visual, Trainable mentally handicapped, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Speech handicapped, Individualized instruction.

Abstract: The Number–Hole Template provides practice and reinforcement in learning numerals and acquiring an understanding of number concepts. The material is a template measuring 9" x 2/3". The numerals from 0 through 9 can be traced and combined for any numerical value. There is also a series of 5 domino–hole patterns on the template under the numerals 1–5. The instructional levels includes preschool through the first grade. DAT, 11–75. (003–005 159)

NIMIS IN 003–414

$5.00

Developmental Learning Materials

Glide rule for number relation.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, speech handicapped and trainable mentally handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Manipulative materials, Instructional leaflets — Media format; Instructional, Mathematics, Addition, Subtraction, Facts, Number concepts, Number lines, Primary grades, Visual, Manual, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Speech handicapped.

Abstract: The Glide Rule for Number Relation can be used to teach addition and subtraction facts. It is also useful in clarifying the concepts of positive and negative numbers and number lines. The material is basically a slide rule on which the increments are linear rather than logarithmic. It depicts 2 number lines which extend from 0 in both directions to +10 and –10. The instructional level is the primary grades. Instructions for use are included with the material. DAT, 12–75. (003–005 166)

NIMIS IN 003–421

c1970 $9.95

Schwarz, J.C.

Deck–a–dot.

Webster, New York Edugame Learning Aids, Inc.

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally distrubed and learning disabled.

Descriptors: Games, Manipulative materials, Cards — Media format; Mathematics, Number concepts, Quantitative concepts, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Early childhood, Kindergarten, Grade 1, Visual, Manual, Small group instruction.

Abstract: Deck–A–Dot is a game designed to teach the basic mathematic skills and number concepts such as matching number games and numerals, counting, and size relationships. There are 8 decks of cards in the set. The first deck deals with pictures of dogs of 6 different sizes. Students learn to describe the size relationships and order the dogs in sequence of size. The cards in the next deck show sets with 0 through 5 dots, and the cards in the third deck contain 6 to 11 dots. The three basic games recommended per deck provide experiences in identifying set–cards of greater, equal, and lesser number; in ordering set–cards by the number of elements; in naming the number of elements and in counting up to 11. In more advanced decks, numerals appear on the cards that involve problem solving and information processing strategies beyond basic level. The specified instructional level is preschool through first grade. The time required to play each game is less than 1/2 hour. A teacher's manual, which has instructions for each game is included. MJJ, 12–75. (003–002 169)

NIMIS IN 004–431

$12.95

Cheves, Ruth

Cheves part 6, numerical progression and time concepts.

Cheves Program

Boston, Massachusetts Teaching Resources

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled. Evidence shows that this material is currently being used by teachers in educational programs for the educable

mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed, and learning disabled.

Descriptors: Cards, Teachers' guides — Media format; Instructional, Mathematics, Place value, Number concepts, Time telling, Primary grades, Visual, Manual, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Cheves Part 6 – Numerical Progression and Time Concepts" consists of 9 sets of Flip and Build cards, 2 concept clocks and an instructor's guide. The Flip and Build cards are divided in 2 parts. The left section of the card is 1 stationary numeral which holds the hundreds place. The right section of the card consists of numerals 1–9 on a spiral binding which are in the tens place. These cards enabled the student to become familiar with the numerals from 10–99, to practice place value and numerical order. The 2 large clocks with plastic hands may be appropriate to teach the concept of telling time. The hands of 1 clock are color–cued to emphasize hour and minute concepts, while the face of the second clock is divided into 2 colors to emphasize the half–hour concept. The specified instrictional level spans grades 1 through 3. This is 1 of 6 components in thse Cheves Program. DKP, 1–76. (003–005 896)

NIMIS IN 004–434

$30.00

Cruickshank, William M.

Sets and numbers.

Foundations for Mathematics

Boston, Massachusetts Teaching Resources

Supplemental Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. Evidence shows that this material currently being used by teachers in educational programs for the educable mentally handicapped. This material has been recommended by an authoritative body for use with the educable mentally handicaped, emotionally disturbed and learning disabled.

Descriptors: Teachers' guides, Worksheets, Posters, Cards, Manipulative materials, Instructional, Mathematics, Relationships, Subtraction, Addition, Early childhood, Grade 1, Visual, Emotionally disturbed, Educable mentally handicapped, Number concepts, Sets, Kindergarten, Grade 2, Written response, Learning disabilities.

Abstract: "Sets and Numbers" consists of a teacher's guide, 225 reusable worksheets printed in 6 colors, 5 demonstration charts, 64 colored set configuration cards, 36 wooden cubes in 6 colors, 10 plastic numerals, 60 felt numerals, 20 number line cards and 1 pad of blank worksheets. All of the numerals are 6 1/2" high and represent the number 0–9. This material is designed to introduce basic number concepts of the numbers 0–10 and to develop number relations such as equivalent, greater than and less than; numerical order; and the operations of addition and subtraction.. The teacher's guide contains behavior objectives, suggested classroom activities and worksheet exercises for reinforcement of the concepts which are developed. The worksheets are 11" x 14" with a black border designed to help focus the student's attention on the task. They present 1 concept at a time in a series of graduated steps. The specified instructional level spans preschool through grade 2. This material is specified for use with slow learners and students with learning disabilities and is part of the Foundations for Mathematics program. According to the publisher, the Basic Materials Kit for the Foundations for Mathematics program must be purchased for maximum usage of the material. TR/DKP, 1–76. (003–005 910)

NIMIS IN 004–438

$41.00

Cruickshank, William M.

Basic materials kit.

Foundations for Mathematics

Boston, Massachusetts Teaching Resources

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Flannelboards, Manipulative materials, Worksheets, Kits — Media format; Instructional, Mathematics, Color concepts, Sets, Number concepts, Geometric forms, Early childhood, Kindergarten, Grade 1, Grade 2, Visual, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: Basic Materials Kit consists of 5 acetate protectors to be placed over the worksheets for students to write on, 5 flannelboards, 24 plastic geometric figures, 1680 pre–cut paper figures, 1440 printed paper figures for cutting, 4 pads of blank worksheets. All of the figures come in a variety of colors and sizes. This kit is designed to provide concrete materials required by and common to Units 1, 2 and 4 of the Foundations for Mathematics program. Unit 1 – Color and Shape focusess on discsriminating and labeling colors and shapes and sorting into sets on ths basis of color and /or shape.. Unit 2 – Size and Sequence introduces the concepts of size and size comparison and sorting into sets on the basis of color and /or size. Unit 4 – Sets are Numbers introduces basis number concepts and the operations of addition and subtraction. The specified instructional level spans preschool through grade 2. This material is specified for use with slow learners and students with learning disabilities and is part of the Foundations for Mathematics program.. (003–005 906)

NIMIS IN 004–557

$ 10.95

Cheves, Ruth

Cheves part 5, quantity and number relationships.

Cheves Program

Boston, Massachusetts Teaching Resources

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled. Evidence shows that this material is currently being used by teachers in educational prgrams for the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Cards, Teachers' guides — Media format; Instructional, Mathematics, Quantitative concepts, Sets, Number concepts, Numeration, Grade 1, Kindergarten, Visual, Manual, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: Cheves Part 5–Quantity and Number Relationships consist of 3 sets of 36 set configuration cards each, a slotted cardboard desk stand with 2 sets of tabbed numeral cards and an instructor's guide. This material is designed to develop and reinforce concepts of quantity and number, numerical notation and numerical order. The 3 sets of set configuration cards show set configuration patterns of 1 to 6.. The first set is color–cued with a different color for each quantity; the second set is in 1 color; and the third set is black and white. The 2 sets of tabbed numerical cards represent the numbers 1–6. The teacher's guide explains procedures to be used and rationale for the program. The specified instructional level spans kindergarten and grade 1. This is 1 of 6 components in the Cheves Program. TR/DKP, 1–76. (003–005 895)

NIMIS IN 004–595

c1971 - $ 26.00

Guidance Associates

First things: more about sets.

First Things: Mathematics

Pleasantville, New York Guidance Associates

10 min. color 35mm tape cassette

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, physically handicapped and trainable mentally handicapped. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Filmstrips, Audiotape cassettes, Teachers' guides — Media format; Phonograph records — Media format variant; Instructional, Mathematics, Sets, Number concepts, Kindergarten, Primary grades, Auditory visual, Verbal response, Small group

instruction, Large group instruction, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Physically handicapped, Trainable mentally handicapped.

Abstract: "First Things: More About Sets" introduces student to the concept of using numbers with equivalent sets and subsets. The material contains 2 color filmstrips and a cassette tape. The first filmstrip introduces, through concrete examples, the concept that equivalents sets have the same number of members, and empty sets have the same number of members. Part 2 explains subsets and their number relationship to sets. The filmstrip shows 2 children visiting a zoo and has various animals explaining sets to them through talking and singing.. The last few frames of each filmstrip show additional examples of sets, using drawings and designs. The specified instructional levels include kindergarten and the primary grades. The running time of each filmstrip is 10 minutes. A teacher's guide is available which includes the written script of the cassette tape, and suggestions for follow-up activities. The soundtrack is also available in record form. "First Things: More About Sets" is part of the "First Things: Mathematics series." LSS, 12-75. (003-001 594)

NIMIS IN 004-649

$ 119.00

May, Lola Bitter, Gary and

Math readiness.

Paoli, Pennsylvania McGraw-Hill Early Learning

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Kits, Audiotape cassettes, Worksheets — Media format; Instructional, Mathematics, Counting, Position words, Number concepts, Mathematics readiness, Sets, Quantitative concepts, Auditory input, Primary grades, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Math Readiness" consists of 12 cassette tapes, 66 color activity sheets and 6 vinyl sleeves to protect the activity sheets when in use. This material can be used to teach basic mathematic concepts such as comparisons of large-small, long-short, left-right, above-below and inside-outside; counting from 1 to 10; identifying patterns and geometric shapes including the circle, rectangle, square and triangle. The kit includes 11 lesson tapes plus an introduction and program overview tape by Dr. Lola May. This material seems appropriate for pupils in the primary grades. The kit is also available in Spanish or in Spanish and English. CAN, 1-76. (003-002 089)

NIMIS IN 004-670

$69.95

Sullivan, M. W.

Readiness in math.

Palo Alto, California Behavioral Research Laboratories

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Cards, Teachers' guides, Posters — Media format; Instructional, Mathematics, Sets, Number concepts, Addition, Subtraction, Kindergarten, Learning disabilities, Educable mentally handicapped, Emotionally disturbed, Grade 1, Visual, Verbal response, Written response.

Abstract: Readiness in Math is a program designed to teach students to recognize sets having from 0 to 9 members, and to recognize, name and write the numeral corresponding to the numbers of elements in each set. Also introduced are the skills of writing and solving simple equations, and adding and subtracting pairs of whole numbers that yield numbers less than 9. The program can be used to teach basic mathematical concepts such as the commutative property of addition, 0 as the identity element for addition and subtraction, and the inverse properties of addition and subtraction.. Contained in the program is one 19" x 24" color illustrated demonstration book, a metal easel for mounting the demonstration book, a metal easel for mounting the numerals 1 through 9 in white on red background, and 2 programmed teacher's manuals. The entire program is packaged in a 21" x 25" storage case. The instructional level of the material seems appropiate for kindergarten and grades 1. DKP, 12-76. (003-005 220)

NIMIS IN 004-864

$23.00

The Judy Company

Counting songs.

Phono-Viewer Program: Music Series

Morristown, New Jersey The Judy Company

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Phonograph records, Teachers' guides — Media format; Instructional, Mathematics, Counting, Number concepts, Songs, Addition, Subtraction, Early childhood, Kindergarten, Grade 1, Auditory visual, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Counting Songs" is a set of 5 records, 5 filmslides and a teacher's guide. This material is designed to help develop counting and reverse counting skills, beginning concepts of addition and subtraction, and the number concepts 1 through 10. One side of the record is synchronized with the filmslide; the reverse side is correlated to the presentation but is not synchronized. The titles of the songs that are synchronized with the filmslide include: 'Nick-Nack, Paddy-Whack', 'Green Bottles', 'Elephant Song', 'One Little Brown Bird', and 'Over in the Meadow'. The songs on the reverse side include: 'Going Over the Sea', 'Three Craw', 'Hickory, Dickory, Dock', 'Three Blue Pigeons' and 'Who Built the Ark?'. The instructional level of this material seems appropriate for students in preschool, kindergarten, and grade 1. "Counting Songs" is 1 of 3 segments in the Phono-Viewer Program: Music Series designed to be used with the Phono-Viewer. CAN, 1-76. (003-005 973)

NIMIS IN 004-899

c1975 $146.67

Engelmann, Siegfried Carnine, Doug and

Distar arithmetic I.

Distar Instructional System

Chicago, Illinois Science Research Associates, Inc. Second ed.,

Supplemental Information: Distributed by: Science Research Associates, Inc. Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. Field evaluation data are available. Results show that this material is suitable for the educable mentally handicapped, emotionally disturbed and trainable mentally handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped.

Descriptors: Teacher materials, Kits — Media format; Instructional, Addition, Counting, Mathematics, Subtraction, Number concepts, Geometric forms, Grade 1, Visual, Verbal response, Learning disabilities, Educable mentally handicapped, Kindergarten, Emotionally disturbed, Problem solving, Auditory input, Teacher directed, Trainable mentally handicapped, Small group instruction.

Abstract: "Distar Arithmetic I" is a structured teacher-directed program designed to teach students strategies for decoding and solving problems in addition and subtraction. The publisher clearly states that these strategies are based on counting methods rather than memorization techniques. This material is designed to familiarize students with numerals, arithmetic symbols and geometric forms. This material contains 3 spiral-bound presentation books, a teacher's edition of the 3 student workbooks, a teacher's guide, 4 decks of geometric figure cards, 11 form boards and group-progress indicators. The presentation books contain 160 lessons, mastery tests for student evaluation, and complete instructions for the teacher pertaining to both the lessons and the tests.. A placement test can be used to divide a class into small, homogeneous learning groups. Three different workbooks can be purchased for independent student

work to reinforce the skills learned. The specified interest and instructional levels are kindergarten and grade 1. Distar Arithmetic I is the first of 3 consecutive parts of the Distar Arithmetic program in the Distar Instructional System. BAA, 12-75. (003-000 059)

NIMIS IN 004-957

$4.50

Ideal School Supply

Progressional number concepts.

Oak Lawn, Illinois Ideal School Supply

Supplemental Information: Supplementary note: The Texas Information Retrieval Program, Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Duplicating masters — Media format; Instructional, Mathematics, Number concepts, Counting, Kindergarten, Grade 1, Visual, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: Progressional Number Concepts spirit masters are designed to teach sequential and abstract number concepts for the numbers 1 through 10. The set consists of 21 activity sheets, beginning with the concept of counting 1 to 10, and progressing to the more complex relationships of abstract numerical concepts. Each sheet has from 5 to 12 horizontal rows, with approximately 5 items in each row. This material seems appropriate for kindergarten through grade 1, although it may be useful for introducing the concepts at a higher grade level.The nature of the concept progression allows for self-pacing. I/RMF, 1-76. (003-006 281)

NIMIS IN 005-228

$2.95

Kunz, John Roland, Genise L. and

Opening doors in mathematics, book 1 part "A".

Opening Doors in Mathematics

New Rochelle, New York Cuisenaire Co. of America

Supplemental Information: Distributed by: Cuisenaire Company of America, New Rochelle, New york. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled. Supplementary Note: The Texas Information Retrieval Program.

Descriptors: Workbooks — Media format; Mathematics, Mathematics readiness, Sets, Instructional, Addition, Number concepts, Multiplication, Addition, Relationships, Primary grades, Kindergarten, Subtraction, Written response, Fractions, Emotionally disturbed, Visual, Learning disabilities, Educable mentally handicapped.

Abstract: Opening Doors in Mathematics – Book 1 – Part "A" is a workbook designed to help build math understanding through the use of models and to introduce students to rational numbers. Concepts included are a study of whole numbers from 0-9, order, equalities and inequalities, equations, an introduction to multiplication and division and a study of unit fractions. The workbook is designed to be used with Cuisenaire rods, which are wooden rods in 10 colours and 10 sizes ranging from 1 to 10 centimeters in length. Graphic devices and colour are used to show students how to proceed with each exercise, therefore eliminating the need for reading skills. The specified instructional level spans kindergarten through grade 3. A teacher's guide is available for purchase separately. This material is 1 of 2 compnents in the Opening Doors in Mathematics Program. MJJ, 1-76. (003-005 706)

NIMIS IN 005-440

c1974 $340.00

Addition and subtraction learning module.

Chicago, Illinois Society for Visual Education

Supplemental Information: Equipment needed: Filmstrip projector, cassette tape player, Supplementary note: The Texas Information Retrieval Program; Prepared in consultation with Lola J. May. Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Audiotape cassettes, Filmstrips, Cards, Manipulative materials — Media format; Instructional, Mathematics, Addition, Subtraction, Computation, Number concepts, Regrouping, Place value, Sets, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Grade 2, Grade 3, Auditory input, Visual, Manual, Individualized instruction, Games.

Abstract: " The Addition and Subtraction Learning Module" is designed to teach, reinforce and review addition and subtraction concepts and procedures through the use of a variety of materials and methods of presentation. The module is divided into 2 instructional units: the 'Addition and Subtraction Learning Center' and the 'Addition and Subtraction Learning Satellites.' The 'Learning Center' includes 12 filmstrips and 6 accompanying cassette tapes which present the concepts and procedures of the basic addition and subtraction algorithms using a story format. The concepts presented include place values, regrouping, and 2 and 3 digit addition and subtraction.. It also includes a series of 24 Addition and Subtraction Cassette/Response Card Lessons. These plastic coated cards provide review and reinforce the concepts presented in the filmstrips. Addition and Subtraction manipulatives, a series of small cartons representing ones, tens, hundreds, and thousands, are designed to be used with the Cassette/Response Card Lessons. They provide practice in place value, regrouping and renaming numbers. 'The Learning Satellites' include a collection of 137 Mini-Prints.. These give practice in counting, matching sets, ordering numbers, place value manipulations and the use of mathematical symbols. Twenty-four 2 sided game boards, Branch Out and Perplex, give practice in basic facts and with 2 and 3 digit addition and subtraction..Also included is a Floor Game to reinforce basic addition and subtraction concepts. Two teacher's guides are included. This module is specified for use with children in the second and third grades. It is also specified for use with students who need remedial work, and with educable mentally handicapped students. DAT, 2-76. (003-004 263)

NIMIS IN 005-627

c1974 $525.00

Wisconsin Research and Development Center for Cognitive Learning

Developing mathematical processes, level 3.

Developing Mathematical Processes

Chicago, Illinois Rand McNally

Supplemental Information: Equipment needed: Duplicating machine, Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handcicapped, emotionally disturbed and learning disabled. Field evaluation data are available. Results show that these materials are suitable for the educable mentally handicapped. This material has been recommended by an authoritative body for use with the learning disabled.

Descriptors: Manipulative materials, Picture cards, Activity cards, Workbooks, Textbooks, Duplicating masters, Teachers' guides , Resource guides — Media format; Instructional, Mathematics, Measurement, Classification, Serial ordering, Sets, Shapes, Fractions, Likenesses differences, Counting, Number concepts, Matching, Relationships, Grade 3, Multisensory, Programmed instruction, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Developing Mathematical Processes: Level 3" is designed to be part of a lower intermediate level mathematics program using a measurement approach to teach students how to solve problems by: collecting data, finding solutions and validating answers. This material focuses on developing the mathematical processes of describing, classifying, comparing, ordering, equalizing, joining, separating, grouping and partitioning. This is done by examining the attributes of length, time, numerousness, weight, area and capacity.. The material is divided into 12 sequential topics and is designed to allow students to progress at their own rate. These topics are movement and direction, units of weight, solving open sentences, angles and symmetry, the numbers 0-999, comparing and ordering areas, grouping and partitioning, geometric figures, the addition and subtraction algorithms 0-999, measuring length, measuring time, and investigating problems. Each topic offers several activities for demonstrating the concepts to be learned.. This material contains materials for the teacher and 32 students. The following components

are included: physical materials kits "D" and "E", including liquid containers, balances, geoboards, a clock, rulers, geometric pieces and weights; 1 printed materials kit, including color picture cards and game boards, activity cards and duplicating masters for graph paper and pre-assessment tests; 1 teacher's guide for each topic, a resource manual, topic inventory duplicating masters, and pupil performance records, 32 consumable student workbooks for each topic; and 32 copies of 3 different nonconsumable texts providing stories and activities designed to be used with the student workbooks. The material seems appropriate for students in the third grade. All components are available for separate purchase. DAT, 1-76. (003-004 227)

NIMIS IN 005-685

$26.00

May, Lola J. Moss, Ruth and

Number patterns: puzzles with a purpose.

First Things: Mathematics

New York, New York Guidance Associates

sound color 35mm audiotape cassette

Supplemental Information: Phonograph records: Media format variant. Supplementary note: The Texas Information Retrieval Program. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Filmstrips, Audiotape cassettes, Teachers' guides — Media format; Instructional, Mathematics, Serial ordering, Number concepts, Auditory visual, Kindergarten, Primary grades, Emotionally disturbed, Learning disabilities, Educable mentally handicapped.

Abstract: "Number Patterns: Puzzles with a Purpose" is designed to teach students about number sequences and patterns. The material consists of 2 color filmstrips and a cassette tape. In the filmstips, two grade schools detectives motivate students to look for simple number sequences. An array of characters and scenes reinforce the basic concepts of pattern and sequence. The specified instructional level includes kindergarten through the primary grades. A teacher's guide is available which includes the written script of the cassette tape and suggestions for follow-up activities. "Number Patterns: Puzzles with a Purpose" is part of the First Things: Mathematics Series. GA/LSS, 1-76. (003-006 083)

NIMIS IN 005-716

$3.25

Photo number group card game.

Niles, Illinois Developmental Learning Materials

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, and trainable mentally handicapped. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Cards, Instructional leaflets — Media format; Instructional, Mathematics, Perceptual motor learning, Kinesthetic discrimination, Counting, Number concepts, Visual, Early childhood, Matching, Kindergarten, Primary grades, Educable mentally handicapped, Emotionally disturbed, Learning disabilities, Trainable mentally handicapped, One to one relationships, Serial ordering, Mathematics readiness, Relationships.

Abstract: "Photo Number Group Card Game" is designed to teach counting, numeral recognition, and number group recognition from 1 to 10. The game consists of 60 colored 3" x 4" cards, 10 of which depict the numbers 1 through 10, and the remaining pictures number groupings of little cars, boxes, balls, paper cups, and light bulbs. The student may also be asked to match equivalent sets and work with comparative values of greater than or less than. The material seems appropriate for preschool through grade 3. Instructions for use are included with the material. JAG, 2-76. (003-004 291)

NIMIS IN 005-738

Ellison, Alfred

$38.00

Complements.

Boston, Massachusetts Teaching Resources

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled, and trainable mentally handicapped.

Descriptors: Manipulative materials, Teachers' guides — Media format; Instructional, Mathematics, Mathematics readiness, Counting, Manual, Early childhood, Primary grades, Kindergarten, Educable mentally handicapped, Visual tactile, Addition, Facts, Number concepts, Games, Trainable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Complements" is designed to provide practice in recognizing the number combinations that make up 5, 6, 7, 8, 9,10. It consists of a series of 6 dominoes-type games: 'Let's Make Fives,' 'Let's Make Sixes,' 'Let's Make Sevens,' 'Let's Make Eights,' 'Let's Make Nines,' and 'Let's Make Tens.' Each game uses dominoes of a different background color and dots of a different color and shape. The back of each domino piece is cut so that it fits together only with its correct match, which makes the games self-correcting. Instructions are included in the teacher's guide. This material seems appropriate for use with preschool through the primary grades. TR/RMF, 2-76. (003-004 381)

NIMIS IN 005-934

1974 $410.00

Wisconsin Research and Development Center for Cognitive Learning

Developing mathematical processes, level 1.

Developing Mathematical Processes

Chicago, Illinois Rand McNally

Supplemental Information: Spanish: Media format variant, Equipment needed: Duplicating machine, Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. Field evaluaton data are available. Results show that these materials are suitable for educable mentally handicapped. This material has been recommended by an authoritative body for use with the learning disabled.

Descriptors: Manipulative materials, Picture cards, Activity cards, Workbooks, Duplicating masters, Teachers' guides, Resource guides — Media format; Instructional, Mathematics, Spanish, Measurement, Likenesses differences, Classification, Serial ordering, Sets, Shapes, Directionality, Counting, Number concepts, Relationships, Ma ing, Multisensory, Grade 1, Programmed instruction, Educabl. .nentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Developing Mathematical Processes – Level 1" is part of a primary level mathematics program which uses a measurement approach to teach students how to solve problems: how to collect data, how to find solutions, and how to validate answers. This material focuses on developing the mathematical processes of describing, classifying, comparing, ordering, equalizing, joining and separating. This is done by examining the attributes of shape, weight, numerousness, time, length, capacity, direction and movement. The student initially uses physical objects to solve problems, then uses pictorial representations, and finally learns to solve problems symbolically.. The material is divided into 13 sequential topics and is designed to allow students to progress at their own rate. The topics are: 2-dimensional shape, comparing and ordering on the basis of weight, writing numbers 0-10, comparing and ordering events in time, assigning measurements, paths, comparison sentences, comparing and ordering on the basis of capacity, order sentences, the numbers 0-20, representing equalizing situations, movement and direction, and representing other equalizing situations. Each topic offers several activities for demonstrating the concepts to be learned. The material contains components for the teacher and 32 students.. The following components are included: physical materials kits "A" and "B", including connecting cubes, plastic chain links, liquid containers, geometric solids, counting chips, balances, geometric pieces, and geoboards, 1 printed materials kit, including color picture cards, activity cards, and duplicating masters for graph paper and pre-assessment tests, 1 teacher's materials kit containing a teacher's guide for each topic, a resource manual, topic inventory duplicating masters, and pupil performance records, and 32 consumable student

workbooks for each topic. This material seems appropriate for children in the first grade. All components are available for separate purchase. DAT, 1-76. (003-001 269)

NIMIS IN 005-935

c1975 $446.00

The Wisconsin Research and Development Center for Cognitive Learning

Developing mathematical processes: level 2.

Chicago, Illinois Rand McNally

Supplemental Information: Equipmment needed: duplicating machine. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. Field evaluation data are available. Results show that these material are suitable for educable mentally handicapped. This material has been recommended by an authoritative body for use with the learning disabled.

Descriptors: Manipulative materials, Picture cards, Activity cards, Workbooks, Duplicating masters, Teachers' guides, Resource guides — Media format; Instructional, Mathematics, Likenesses differences, Serial ordering, Counting, Matching, Grade 2, Measurement, Classification, Sets, Fractions, Number concepts, Relationships, Multisensory, Shapes, Programmed instruction, Educable mentally handicapped, Emotionally disturbed, Learning disabled.

Abstract: Developing Mathematical Processes – Level 2 is part of a primary level mathematics program which uses a measurement approach to teach students how to solve problems: how to collect data, how to find solutions, and how to validate answers. This material focuses on developing the mathematical processes of describing, classifying, comparing, ordering, equalizing, joining, separating, grouping and partitioning. This is done by examining the attributes of shape, size, numerousness, capacity, length, and area. The student initially uses physical objects to solve problems, then uses pictorial representation, and finally learns to solve problems symbolically. The material is divided into 13 sequential topics and is designed to allow students to progress at their own rate. The topics are: symmmetry, fractions and shape; number sentences, 0–10; the numbers 0–99; units of capacity; number sentences, 0–20; describing, classifying and locating; partitioning; number sentences; units of length; and the addition and subtraction algorithms, 0–99. Each topic offers several activities for demonstrating the concepts to be learned. This material contains components for the teacher and 32 students. The following components are included: physical materials kits "A"and "C" including connecting cubes, plastic chain links, liquid containers, geometric solids, counting chips, balances, geometric pieces and geoboards; 1 printed materials kit including color picture cards, activity cards, and dplicating masters for graph paper and pre-assessment tests; 1 teacher's materials kit containing a teacher's guide for each topic, a resource manual, topic inventory duplicating masters, and pupil performance records; and 32 consumable student workbooks for each topic. This material seems appropriate for students in the second grade. All components are available for separate purchase. DAT, 1-76. (003-001 270)

NIMIS IN 005-944

c1973 $9.95

Mathematics problem strips, addition and subtraction.

Manipulative Learning Unit

Lakeland, Florida Imperial Educational Resources

Supplemental Information: Cautionary note: A manipulative board and a set of numbers is needed to make use of this material. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped.

Descriptors: Manipulative materials — Media format; Instructional, Mathematics, Addition, Subtraction, Number concepts, Visual tactile, Manual, Primary grades, Trainable mentally handicapped, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Mathematics Problem Strips – Addition and Subtraction" is designed to develop mathematic skills in addition and subtraction. The strips provide over 300 different problems involving 1- and 2-digit addition and subtraction. The set includes 24 plastic strips and is designed to be used with a Manipulative Learning Unit board and numbers. The child is asked to select the correct printed number symbols in response to the statement or problem on the plastic strip. Only the correct pattern of symbols fits the plastic strip's jigsaw-patterned edge. The material seems appropriate for grades 1 through 3. The complete Manipulative Learning Unit, Mathematics Manipulative Learning Unit, and Language Arts Manipulative Learning Unit are available for purchase separately. Five other sets of Mathematics Problem Strips are also available. IER/JAG, 2-76. (003-004 408)

NIMIS IN 005-945

c1973 $9.95

Mathematics problem strips, counting and addition.

Manipulative Learning Unit

Lakeland, Florida Imperial Educational Resources

Supplemental Information: Cautionary note: A manipulative board and a set of numbers is needed to make use of this material. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped.

Descriptors: Manipulative materials — Media format; Instructional, Mathematics, Addition, Counting, Number concepts, Mathematics readiness, Visual tactile, Manual, Kindergarten, Primary grades, Trainable mentally handicapped, Educable mentally handicapped, Emotionally disturbed, Learning disabilities.

Abstract: "Mathematics Problem Strips – Counting and Addition" is designed to develop mathematic skills. The teacher may present number symbls and sequences from 0 – 25 and simple 1- and 2-digit addition problems from over 300 different problems which are provided. The set includes 24 plastic strips and is designed to be used with a Manipulative Learning Unit board and numbers. The child is asked to select the correct printed number symbols in response to the statement or problem on the plastic strip. Only the correct pattern of symbols fits the plastic strip's jigsaw-patterned edge. The material seems appropriate for kindergarten through grade 3. The complete Manipulative Learning Unit, Mathematics Manipulative Learning Unit, and Language Arts Manipulative Learning Unit are available for purchase separately. Five other sets of Mathematics Problem Strips are also available. IER/JAG, 2-76. (003-004 407)

NIMIS IN 005-963

$5.50

Sum fun.

Oak Lawn, Illinois Ideal School Supply

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Games — Media format; Instructional, Mathematics, Addition, Subtraction, Visual perception, Number concepts, Perceptual motor learning, Auditory perception, Grade 1, Grade 2, Visual, Trainable mentally handicapped, Manual, Auditory input, Tactile, Emotionally disturbed, Learning disabilities, Educable mentally handicapped.

Abstract: Sum Fun is designed to reinforce addition and subtraction facts through both the auditory and visual modalities. The material uses a bingo format. The set includes playing cards, chips and addition and subtraction cards. The addition and subtraction cards contain problems involving numbers less than 20. The solution of each of these problems then indicates which place on the bingo card has a chip placed on it. The game can be played by 2 or 6 players. The material seems appropriate for grades 1 and 2. MJJ, 2-76. (003-004 845)

NIMIS IN 009-407

c1976 $7.65

Eicholz, R. E.

Investigating school mathematics primer.

Investigating School Mathematics

Menlo Park, California Addison-Wesley Second edition.

Supplemental Information: Evaluation information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Teacher editions, Textbooks — Media format; Instructional, Mathematics, Visual, Grade 1, Verbal response, Written response, Classification, Sizes, Shapes, Color concepts, Matching, Counting, Number concepts, Sets, Educable mentally handicapped, Learning disabled, Emotionally disturbed, Kindergarten.

Abstract: Investigating School Mathematics – Primer is part of an individualized instruction program in problem solving and learning basic number skills. The softbound student textbook contains color drawings which illustrate the concepts. The book includes 2 units of 3 modules each. The pupil is first asked to explore each mathematical concept through manipulative materials and actual measurement, then to discuss the particular concept in relationship to his/her overall knowledge of mathematics or to complete related activities and problems.. Concepts and activities presented include comparing size, likenesses and patterns; classifying by color, shape, size, use, and attributes; matching; labeling; and using more and less. Also covered are sets, counting, reorganizing the numbers 1 through 10, and addition and subtraction with manipulative materials.. The teacher's edition provides performance objectives for each lesson, suggestions for pre–book and followup–activities, references to supplementary materials and a description of the particular concept being introduced. The specified instructional level includes grade 1. Practice duplicating masters, individual modules and a Big Book of stimulus material may be purchased separately. JAG, 4–76. (003–009 136)

NIMIS IN 009–648

c1975 $3.95

Gnagey, Thomas D.

Facto–exacto.

Ottawa, Illinois Facilitation House

games, instructional leaflets

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled.

Descriptors: Games, Instructional leaflets — Media format; Mathematics, Addition, Subtraction, Number concepts, Counting, Primary grades, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Manual, Visual.

Abstract: Facto–Exacto is designed to provide practice in learning addition and subtraction facts and to familiarize pupils with the 10 x 10 arithmetic matrix system. The set contains 3 die, 4 playing boards, 4 moving pieces, 1 additon fact card, 1 subtraction fact card, 1 deck of plus–minus cards and an instructional leaflet. The game allows 2 to 4 players to play at a time. The game board consists of the numbers 1 through 100 appearing from left to right with 10 numbers in a row. The basic game requires each player to throw the die, add their total, and wait for the "checker" to verify the answer. If the player is correct he or she advances that many spaces; if incorrect he or she goes back that many spaces. The 2 more advanced games require the players to compute answers in their heads as well as solve problems with 2–digit numbers. This same sequence of 3 games is also included for subtraction. One additional advanced game involves the deck of plus–minus cards and players add or subtract according to the card they draw. This material seems appropriate for pupils in the primary grades. CAN, 4–76. (003–009 224)

NIMIS IN 010–658

c1971 $52.00

Ryder, Ruth T.

Pacemaker arithmetic program: level "A".

Pacemaker Arithmetic Program

Belmont, California Fearon Publishers

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning disabled, educable mentally handicapped and trainable mentally handicapped.

Descriptors: Teacher editions, Duplicating masters — Media format; Instructional, Mathematics, Mathematics readiness, Vocabulary, Following directions, Geometric forms, Matching, Classification, One to one relationships, Emotionally disturbed, Position words, Quantitative concepts, Kindergarten, Visual, Written response, Educable mentally handicapped, Learning disabled, Trainable mentally handicapped.

Abstract: "The Pacemaker Arithmetic Program – Level A" is a mathematics readiness program designed to help the student become visually, physically and kinesthetically aware of the basic shapes including the circle, square, and triangle, and provide an introduction to basic quantitative vocabulary. The material includes a set of 126 duplicating master worksheets and an 80–page annotated teacher's manual. Four worksheets and 8 lessons in the manual are designed to cover concepts in form discrimination which require the student to trace, draw, match and identify basic geometric shapes. Emphasis is on shape recognition and vocabulary development.. The remaining 122 worksheets and 162 lessons are designed to introduce the student to basic vocabulary such as 'big' and 'little'; 'many' and 'few'; and 'right' and 'left.' One or more lessons are included on each word, followed by combined lessons on the pair of opposites. The student is asked to complete exercises including marking the box of items which illustrates the given term, or completing a picture following specific position word directions, such as 'Place the star on top of the tree.' Review lessons to check student comprehension utilizing follow–the–leader or Simon–Says type games and worksheets which require the students to follow verbal directions. The manual includes a list of the materials needed and procedures for each activity. The specified interest and instructional levels include the kindergarten level. The material is specified for use with handicapped students. RMF, 4–76 MJJ, 4–76. (003–008 347)

NIMIS IN 010–659

c1971 $ 76.00

Allmond, Phyllis P.

Pacemaker arithmetic program; level "B".

Pacemaker Arithmetic Program

Belmont, California Fearon Publisher

Supplemental Information: Evaluation information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped. This material has been recommended by an authoritative body for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Duplicating masters, Teacher editions — Media format; Instructional, Mathematics, Quantitative concepts, Following directions, Vocabulary, Grade 1, Counting, One to one relationships, Visual, Emotionally disturbed, Learning disabled, Educable mentally handicapped, Number concepts, Position words, Serial ordering, Written response, Trainable mentally handicapped.

Abstract: The Pacemaker Arithmetic Program Level B is a mathematics program designed to help the student understand number sequence and the concepts of more than and less than, and to develop the ability to recognize, write and count numbers from 1 to 10. The material includes a set of 184 duplicating master worksheets and an 83–page annotated teacher's manual. Fifteen worksheets and 20 lessons in the manual are designed to review quantitative concepts and vocabulary from the readiness level. The student is asked to manipulate objects to demonstrate understanding of terms such as 'near' and 'far', or complete a picture following specific position word directions, such as "Draw the bird on top of the roof.". The remaining 169 worksheets and 150 lessons are designed to introduce the concepts of number order, amount and 'more' and 'less,' and to develop the skills of number recognition and counting. Each number is introduced in a pattern which asks the students to show the specified number with concrete objects, count the specified number of objects in a picture, differentiate between the specified number and other numbers, and write the number. Review lessons to check student comprehension utilize team games and worksheets which require the students to follow verbal directions. The manual includes a list of required materials and procedures for

each activity. The specified interest and instructional levels include grade 1. The material is specified for use with handicapped students. RMF, 4–76. (003–008 348)

NIMIS IN 010–660

c1971 $68.00

Allmond, Phyllis P.

Pacemaker arithmetic program; level "C".

Pacemaker Arithmetic Program

Belmont, California Fearon Publisher

Supplemental Information: Cautionary note: Some worksheets have confusing format, Evaluation information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled.

Descriptors: Duplicating masters, Teacher editions — Media format; Instructional, Mathematics, Following directions, Vocabulary, Grade 2, Counting, Facts, Visual, Emotionally disturbed, Learning disabled, Educable mentally handicapped, Number concepts, Place value, Computation, Written response.

Abstract: The Pacemaker Arithmetic Program Level C is a mathematics program designed to help the student learn counting through 99 and the basic addition and subtraction facts from 0 through 10. The material includes a set of 136 duplicating master worksheets and an 68–page annotated teacher's manual. Twenty–one worksheets and 19 lessons in the manual are designed to review number concepts and vocabulary. The student is asked to copy, match, and write the numbers from 1 through 10 and demonstrate understanding of the concepts of 'more' and 'less' by activities such as providing numbers that are greater and less than a specified number. The remaining 115 worksheets and 151 lessons are designed to introduce the numbers from 11 through 99, the place value of ones and tens, and basic addition and subtraction facts up to 19.. The basic number facts are introduced in a pattern which asks the students to demonstrate understanding of the specified number, and add and subtract numbers which are written horizontally and vertically. Review lessons to check student comprehension of all combinations of basic facts utilize worksheets which require the student to add and subtract in mixed drills of up to 30 problems. The manual includes a list of required materials and procedures for each activity. The specified interest and instructional levels include grade 2. The material is specified for use with handicapped students. RMF, 4–76. (003–008 349)

NIMIS IN 010–689

c1974 $2.75

Wolf, Enid G.

Beginning mathematics concepts.

Liverpool, New York Frank E. Richards Publishing

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, trainable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Workbooks, Teachers' guides — Media format; Instructional, Mathematics readiness, Mathematics, Relationships, Grade 1, Number concepts, Learning disabled, Emotionally disturbed, Trainable mentally handicapped, Kindergarten, Visual, Written response, Educable mentally handicapped.

Abstract: "Beginning Mathematics Concepts" is a workbook and teacher's guide designed to introduce and provide practice in the following concepts: smaller, larger, more, less, same, and how many. A pretest–teaching sheet is intended to assess whether or not a student is able to make a check mark. When this sheet is completed the workbook begins the concept sections. The object is to place a check on the correct concept or correct number for the numerical quantity pictured. Teaching suggestions for each concept are included in the teacher's guide. The instructions to the problem are written at a first grade level. The material seems appropriate for kindergarten and first grade. MEG, 4–76 JLK, 4–76. (003–009 726)

NIMIS IN 010–690

c1975 $1.75

Wolf, Enid G.

More mathematics concepts.

Liverpool, New York Frank E. Richards Publishing

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, trainable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Workbooks — Media format; Instructional, Mathematics readiness, Mathematics, Quantitative concepts, Grade 1, Number concepts, Learning disabled, Emotionally disturbed, Trainable mentally handicapped, Kindergarten, Visual, Written response, Educable mentally handicapped.

Abstract: "More Mathematics Concepts" is a workbook to introduce the concepts of quantity using the numbers 1 through 9. This 85–page workbook seems appropriate for kindergarten and first grade. Each number includes 4 aspects when it is introduced: the number word, the numeral, the quantity, and the written configuration. Exercises include cutting, matching, and selecting items which would utilize 1 or more of the aspects of each number. Writing the number word is also included. MEG, 4–76 JLK, 4–76. (003–009 720)

NIMIS IN 010–695

c1972 $1.25

Piltch, Benjamin

Find the right number.

Liverpool, New York Frank E. Richards Publishing

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the learning disabled, emotionally disturbed, educable mentally handicapped, and trainable mentally handicapped.

Descriptors: Workbooks — Media format; Instructional, Mathematics, Matching, Kindergarten, Number concepts, Visual discrimination, Visual, Educable mentally handicapped, Emotionally disturbed, Written response, Learning disabled, Trainable mentally handicapped, Grade 1, Grade 2.

Abstract: Find The Right Answer is a 31–page workbook designed to help pupils learn to discriminate and match 1 and 2 digit numbers. Each page presents 10 matching activities requiring the pupil to find the number from a group of 3 which matches the number in the first column. The matching becomes progressively more difficult as the group of 3 becomes more similar in form. The material seems appropriate for kindergarten through grade 2. JAG, 4–76. (003–009 710)

NIMIS IN 010–987

c1972 $46.50

Number concepts module.

Pleasantville, New York Reader's Digest Services

24 activity books, 22 picture cards, manipulative materials teacher's guides

Supplemental Information: Evaluation Information: This materials has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, trainable mentally handicapped, emotionally disturbed and learning disabled. This material has been recommended by an authoritative body for use with the educble mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Picture cards, Kits, Workbooks, Manipulative materials, Teachers' guides — Media format; Phonograph records — Media format variant; Instructional, Mathematics, Number concepts, Counting, Early childhood, Kindergarten, Grade 1, Mathematics readiness, Visual, Auditory input, Manual, Written response, Educable mentally handicapped, Trainable mentally handicapped, Emotionally disturbed, Learning disabled.

Abstract: The Number Concepts Module is designed to introduce basic number concepts and skills. The goal is helping a child to understand the underlying structure of the mathematical system. The objectives are enabling a child to identify a set and its members, discriminate among sets, identify, count, and write the numbers from 0–10. The emphasis is intended to supplement a beginning mathematics program. The material includes 24 copies of a 72–page activity book which includes a pre– and post–test, a record, 11 picture cards each showing a group of animals and its appropriate numeral, and 11 plain numeral cards depicting the numerals 0–10. There is also a game and an 11–piece jigsaw puzzle in the shape of a dalmation dog. Each puzzle piece is shaped like a numeral from 0–10. When the puzzle is completed the numerals will be in order

form left to right. A teacher's manual is included which provides objectives, a series of teaching steps for meeting the objectives, and follow-up activities. The specified interest and instructional levels span ages 4 through 6. DAT, 4-76. (003-009 065)

NIMIS IN 014-428

c1973 $125.00

Karnes, Merele B.

Goal mathematical concepts.

Goal Early Learning Programs

Springfield, Massachusetts Milton Bradley Company

cards, manipulative materials, 6 flannelboards, geometric forms, various pieces teacher's guide

Supplemental Information: Distributed by: Regional Offices, Evaluation information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled.

Descriptors: Teachers' guides, Kits, Cards, Manipulative materials, Flannelboards, Games, Geometric forms, Charts — Media format; Instructional, Mathematics, Mathematics readiness, Shapes, Matching, Counting, Number concepts, Addition, Subtraction, Matching, Serial ordering, Early childhood, Kindergarten, Grade 1, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Developmental approach.

Abstract: This kit is designed to promote the acquisition of mathematical concepts and skills. The specified instructional levels include preschool and kindergarten, and the mterial also seems appropriate for first grade. The program consists of 137 lesson plans divided into 7 content areas: "Geometric Shapes," "Sets and One-to-One Matching," "Whole Numbers and Rational Counting," "Numerals," "Addition and Subtraction," "Measurement," and "Patterns and Progressions." Each lesson is printed on an 8" x 9" card and includes a learning objective, a list of required materials, a detailed procedure for implementing the lesson, and a criterion activity to test for results. The components of the kit include 6 flannelboards and accompanying materials, number-numeral tiles, geometric shapes, templates, place value charts and sticks, a shapes and number lotto game, picture-pattern cards, small cubes which can be attached to each other, and a board game. Also included is a teacher's guide. DAT, 6-76. (003-007 542)

NIMIS IN 015-502

c1976 $2.95

Graham, Evelyn

Primary math coloring book.

New Rochele, New York Cuisenaire Company of America

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicaped, emotionally disturbed, learning disabled, and trainable mentally handicapped.

Descriptors: Workbooks — Media format; Instructional, Mathematics, Number concepts, Counting, Serial ordering, Addition, Shapes, Subtraction, Kindergarten, Primary grades, Visual, Motor response, Educable mentally handicaped, Emotionally disturbed, Learning disabled, Trainable mentally handicaped.

Abstract: This mathematics instructional material is intended to be used in conjunction with Cuisenaire rods (wooden rods in 10 colors and sizes ranging from 1 to 10cm) to present pupils in kindergarten through grade 3 with concepts of number recognition, number sequencing, addition, subtraction and shape identification. The material consists of a 44-page coloring book of pictures coded with numbers designating which colors should be used. Included are pictures for all major holidays. The book contains 6 pictures for number recognition, 1 dot-to-dot picture, 1 shape-recognition and labeling activity, and 36 puzzle pictures in which objects become visible when spaces are colored as specified. Colors specified match those of the Cuisenaire rods, which are colored rods measured in metric units. JAG, 6-76. (003-007 772)

NIMIS IN 015-680

c1973 $5.75

Alspaugh, Carol

Domodots.

New Rochelle, New York Cuisenaire Company of America

56 dominos teacher's guide

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office Three and judged appropriate for use with the educable mentally handicaped, trainable mentally handicaped, emotionally disturbed and learning disabled.

Descriptors: Games — Media format; Instructional, Mathematics, Addition, Number concepts, Kindergarten, Primary grades, Motor response, Educable mentally handicaped, Emotionally disturbed, Learning disabled, Trainable mentally handicaped.

Abstract: This mathematics instructional material presents pupils in kindergarten through grade 3 with concepts of addition and number labels. The material includes 56 plastic coated, cardboard domino-like blocks. From 0 to 9 black and white dots are randomly positioned on the blocks. Pupils are asked to match equivalent sets of dots in playing the game. The reverse side offers 2 color-coded introductory games of 28 pieces using the integers of 0-6. The acccompanying teacher's guide provides instructions for using the materials and suggestions for related activities. JAG, 6-76. (003-007 770)

NIMIS IN 018-441

c1974 $65.00

Math big box.

Niles, Illinois Developmental Learning Materials

140 cards, manipulative materials color

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, trainable mentally handicapped and learning disabled. Evidence shows that this material is currently being used by teachers in educational programs for the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Kits, Cards, Manipulative materials — Media format; Instructional, Mathematics, Mathematics readiness, Number concepts, Measurement, One to one relationship, Sets, Time telling, Money concepts, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Verbal response, Kindergarten, Primary grades, Visual, Manual.

Abstract: "Math Big Box" is designed to teach children, through experiences, mathematics concepts of attributes, number discrimination, sets, numeration and measurement. The kit contains 14 materials and 140 cards which suggest uses of the materials. The kit also contains a 3" rubber 'Clock Stamp' and a 'Plastic Clock' for telling time, 'Ordinal/Cardinal Puzzles' for matching the ordinal label to the cardinal label and the cardinal number, and 'Dimensional Concept Cylinders' for categorization and size and volume studies.. Other materials included are a 'Number-Hole Template' which permits tracing of numbers 0 through 9, 'Coin Stamps' of 5 familiar U. S. coins, a 'Date Wheel' of 3 rotating disks which show the 12 months, the days of the week and 31 numbered days, and a 'Shopping Lists Game,' which asks pupils to count and make change as they pretend to be shopping. The materials seems appropriate for kindergarten through grade 3. All cards, games and realia are also available separately. JAG, 1-76. (003-002 002)

NIMIS IN 019-787

c1973 $5.50

Four math lab card games.

Springfield, Massachusetts Milton Bradley Company

42 cards col &instructions

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, educable mentally handicapped, and learning disabled.

Descriptors: Games, Cards, Instructional leaflets — Media format; Instructional, Mathematics, Serial ordering, Shapes, Sizes, Number concepts, Sets, Fractions, Early childhood, Kindergarten, Primary grades, Intermediate grades, Multilevel, Emotionally disturbed, Learning disabled, Visual, Educable mentally handicapped.

Abstract: This set of 4 mathematics games is designed to present pupils in preschool through grade 6 with practice in dealing with attributes, pattern sequences, number and set theory, and fractions. In playing the attributes game, pupils are asked to group the 6 cards they are dealt according to any 2 of the following attributes: shape, size, or color. An additional card may be drawn and a currently held card rejected during each round of play.. Players playing the number

and sets game are asked to draw a number card and 2 set cars, attempting to match the number card with 2 sets of cards depicting the equivalent number of objects. The fractions game involves each player trying to match his or her 5 cards so that they are all numerical or pictorial representations of a fraction. The pattern sequences game requires each pupil to collect 4 matching pattern sequences of shape and color, 2 large and 2 small. Instructions are included for each game. JAG, 8–76. (003–010 922)

NIMIS IN 025–026

c1975 $4.38

Gawronski, Jane

Laboratory mathematics; booklet 1.

Laboratory Mathematics

Glenview, Illinois Scott, Foresman and Company

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized office 3 and judged appropriate for use with the educable mentally handicapped and learning disabled.

Descriptors: Workbooks, Teachers' guides, Manipulative materials — Media format; Instructional, Mathematics, Graphing, One to one relationships, Shapes, Sets, Conservation, Serial ordering, Base numbering systems, Counting, Addition, Sizes, Geometric forms, Number concepts, Counting, Relationships, Grade 1, Educable mentally handicapped, Learning disabled.

Abstract: These materials are designed to supplement the regular mathematics program in grade 1. Students are asked to form sets, perform discrimination tasks, conceptualize numbers with appropriate paper strips that are punched–out from the back of the student workbook, and match and draw shapes. Emphasis is placed on manipulatives, many of which are also punched–out of the workbook. A teachers' edition is available separately and contains activities in addition to regular lessons. Place value and the beginning concepts of addition and subtraction are introduced in tasks involving the manipulation of the paper strips. LJD, 10–76. (003–012 294)

NIMIS IN 025–619

c1975 $7.95

Sister Roslyn Sister Valerie and

Bubble–matic's exercises with numbers, the story starts here.

Classroom Learning Centers

Tulsa, Oklahoma Instructonal Media

50 cards b & w 10 x 14 cm & guide

Supplemental Information: Supplementary Note: Developed at St. Edwards School, Racine, Wisc. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed and learning disabled.

Descriptors: Activity cards, Instructional leaflets — Media format; Instructional, Mathematics, Computation, Problem solving, Number concepts, Primary grades, Learning disabled, Visual, Written response.

Abstract: This set of fifty, 4" x 5 1/2" activity cards is designed to provide a motivational opportunity to interest primary level students in basic mathematical processes. The box includes 50 self–directing card folders, author's comments, an index to the cards, and a teacher's leaflet. The students may be asked to solve computational problems, complete crossword–type puzzles, finish or create math games, and work out word problems. "Bubble–matic's Exercises With Numbers" is 1 of 10 activity boxes in the "Classroom Learning Centers" series. RMF, 9–76. (IN 003–010 828c6)

NIMIS IN 025–767

c1976 $2.97

Le Blanc, John F.

Silver Burdett mathematics: level 1.

Silver Burdett Mathematics

Morristown, New Jersey Silver Burdett

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed and the learning disabled.

Descriptors: Textbooks — Media format; Instructional, Counting, Mathematics, Geometry, Graphs, Number concepts, Problem solving, Addition, Subtraction, Grade 1, Visual, Written response, Emotionally disturbed, Learning disabled.

Abstract: This 256–page, 9–1/2" x 11" softcover textbook is designed to introduce first grade students to sequenced mathematical experiences and activities in basic number concepts and operations. The text, which is illustrated with color drawings and photographs, presents mathematical concepts in 6 areas: 1) sets, numbers, and numeration; 2) operations and properties; 3) sentences and problem–solving; 4) geometry and measurement; 5) relations and functions; and 6) probability and statistics.. Students are asked to perform activities in each section such as adding and subtracting sums and differences to 18, writing numerals in order to 50, writing sentences for number stories, recognizing and forming geometric shapes, using inequality signs, and reading a pictograph. An annotated teacher's edition, which contains program methodology, performance objectives, and a glossary, and other supplementary materials may be purchased separately. RMF, 9–76. (003–011 658)

NIMIS IN 025–768

c1976 $2.97

Le Blanc, John F.

Silver Burdett mathematics: level 2.

Silver Burdett Mathematics

Morristown, New Jersey Silver Burdett

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed and the learning disabled.

Descriptors: Textbooks — Media format; Instructional, Computation, Mathematics, Geometry, Graphs, Number concepts, Problem solving, Matching, Measurement, Grade 2, One to one relationships, Metric, Visual, Written response, Emotionally disturbed, Learning disabled.

Abstract: This 256–page, 9–1/2" x 11" softcover textbook is designed to introduce second grade students to sequenced mathematical activities and experiences in fundamental number operations and processes. The text, which is illustrated with color drawings and photographs, presents mathematical concepts in 6 areas: 1) sets, numbers, and numeration; 2) operations and properties; 3) sentences and problem–solving; 4) geometry and measurement; 5) relations and functions; and 6) probability and statistics.. Students are asked to perform activities in each section such as adding and subtracting with 2–digit numerals, matching members of 2 sets, reading and solving number stories, measuring using centimeters, making tables from written instructions, and reading and making bar graphs. An annotated teacher's edition, which contains program methodology, performance objectives, and a glossary, and other supplementary materials may be purchased separately. RMF, 9–76. (003–011 659c6)

NIMIS IN 025–769

c1976 $5.55

Le Blanc, John F.

Silver Burdett mathematics: level 3.

Silver Burdett Mathematics

Morristown, New Jersey Silver Burdett

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed and the learning disabled.

Descriptors: Textbooks — Media format; Instructional, Multiplication, Mathematics, Geometry, Graphs, Number concepts, Problem solving, Division, Money concepts, Grade 3, Computation, Time perspective, Visual, Written response, Emotionally disturbed, Learning disabled.

Abstract: This 340–page, 8" x 8" softcover textbook is designed to familiarize third grade students to sequenced mathematical activities and experiences in number processes and computations. The text, which is illustrated with color drawings and photographs, presents mathematical concepts in 6 areas: 1) sets, numbers, and numeration; 2) operations and properties; 3) sentences and problem–solving; 4) geometry and measurement; 5) relations and functions; and 6) probability and statistics.. Students are asked to perform activities in each section such as multiplying and dividing as repeated addition and subtraction, writing, and reading 5–digit

numerals, solving word problems, performing money and time computations, comparing numbers, and reading bar graphs. An annotated teacher's edition, which contains program methodology, performance objectives, and a glossary, and other supplementary materials may be purchased separately. RMF, 9–76. (003–011 660)

NIMIS IN 026–584

c1972 $24.00

Wehrli, Kitty

Numbers and numerals.

Michigan Arithmetic Program

Worthington, Ohio Ann Arbor Publishers

5 tape cassettes, 1 workbook, 1 teacher's guide, 1 teacher's script

Supplemental Information: Equipment Needed: Chem–Rite pens. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the learning disabled and educable mentally handicapped.

Descriptors: Workbooks, Audiotape cassettes, Teachers' guides, Script , Kits — Media format; Instructional, Mathematics, Counting, Tracing, Mathematics readiness, Listening, Visual discrimination, Matching, Visual sequencing, Kindergarten, Grade 1, Auditory input, Visual, Written response, Remedial approach, Individualized instruction, Developmental approach, Small group instruction, Learning disabled, Educable mentally handicapped, Number concepts, Number lines.

Abstract: This material is designed to introduce students in kindergarten and first grade to the basic mathematics skills of number recognition, counting, tracing numbers, and the concept of the number line. The material is also recommended for use in remedial classes. One reusable workbook entitled "Numbers and Numerals" is to be used in conjunction with 5 tape cassettes to present students with ten, 45–minute lessons that provide practice in the development of these skills. For example, the exercises ask students to trace numbers, to listen to sequences of numbers and decide if they are in correct sequence, and to circle the number that comes before or after a certain number. The workbooks are printed on special paper so that marks made with a special Chem–Rite pen gradually disappear. The teacher's guide contains an introduction to the program, suggestions for its use, and a brief description of all the exercises in the entire program. A script provides the text of the narration of the tape cassettes. This material is the first level of the "Michigan Arithmetic Program." Chem–Rite pens are available for $1.00 each. PMG, 11–76. (003–007 159)

NIMIS IN 027–542

c1975 $3.00

Hofmeister, Alan M.

Number skills program.

Tutorial Series

Eugene, Oregon E–B Press

2 number lines, 20 number cards, charts, teachers' guide

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning diabled, and ecucable mentally handicapped.

Descriptors: Kits, Number lines, Charts, Cards, Teachers' guides — Media format; Instructional, Mathematics, Numeration, Number concepts, Counting, Primary grades, Kindergarten, Remedial approach, Visual, Educable mentally handicapped, Emotionally disturbed, Learning disabled.

Abstract: These materials are designed to provide opportunities for practice in specific number skills. The objectives for the program cover the following skills: matching numbers 1 through 20, identifying numbers 1 through 20, and counting to any number from 1 through 20. The materials for the program consists of a set of cards numbered 1 through 20, 2 number lines, 4 instructors' charts, 4 student charts, and a teacher's guide which provides specific instructions in what to do and say for each 15–minute lesson. The teachers' manual also provides a placement test and criteria for performance for each skill taught. The materials seem appropriate for students in kindergarten through grade 3 or for remedial programs. Individual student workbooks designed to be used with the program are available for purchase separately. LKK, 9–76. (003–011 331)

NIMIS IN 027–628

c1972 $4.50

Wedemeyer, Avaril Cejka, Joyce and

Arithmetic instructional activities.

Denver, Colorado Love Publishing Company

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning disabled, educable mentally handicapped and trainable mentally handicapped.

Descriptors: Activity books — Media format; Instructional, Mathematics, Addition, Subtraction, Multiplication, Division, Fractions, Number concepts, Counting, Computation, Eye hand coordination, Kindergarten, Primary grades, Intermediate grades, Multilevel, Visual, Individualized instruction, Written response, Learning disabled, Emotionally disturbed, Educable mentally handicapped, Trainable mentally handicapped.

Abstract: This set of 2 workbooks is designed to provide students with opportunities to practice basic arithmetic skills. Books 1 and 2 each contain a different series of activities which range from simple to more difficult tasks. Each of the books has perforated pages for easy removal and contains over 200 exercise sheets. The activities cover the following skills: addition, subtraction, counting, division, eye–hand coordination, fractions, multiplication, number facts, number recognition, and computation. The activities seem appropriate for students in kindergarten through grade 6. LKK, 12–76. (003–012 997)

NIMIS IN 027–758

c1976 $238.50

Cawley, John F.

Project math: level 2.

Project Math

Tulsa, Oklahoma Educational Progress Corporation

403 guide cards, 18 activity books, 3 teachers' guides, 3 discs, record sheets

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning disabled, educable mentally handicapped, and trainable mentally handicapped. This material has been recommended by the publisher for use with special education classes.

Descriptors: Kits, Manipulative materials, Workbooks, Activity cards, Activity books, Teachers' guides — Media format; Instructional, Mathematics, Number concepts, Geometric forms, Addition, Subtraction, Multiplication, Measurement, Shapes, Time telling, Fractions, Sets, Relationships, One to one relationships, Early childhood, Grade 2, Grade 1, Visual, Manual, Written response, Emotionally disturbed, Learning disabled, Educable mentally handicapped, Trainable mentally handicapped.

Abstract: This kit is designed to provide students grades 1 through 2 with practice on various mathematics skills. The materials provide a range of experiences in 6 major areas: patterns, sets, geometry, measurement, fractions, and numbers. The kit has various components, including instructional guides, which form the heart of the curriculum and present directed activities in the 6 major areas. The learner activity books are used to reinforce concepts presented in the guides, while the supplemental activities books provide additional activities for the instructor.. Manipulative materials are also included, such as blocks and discs. The math concept inventory is used to assess the status of the student in relation to major concepts. The progress record forms provide a means of tracking students through the program. A guide for verbal problem–solving is included for the instructor. Also included are story mats and object cards which feature scenes which set the stage for problem–solving activities. Some of the components may be purchased separately. This is 1 of 2 in the "Project Math" series. LKK, 12–76. (003–013 268c6)

NIMIS IN 027–760

c1973 $313.00

Kaplan, Jerome D.

Alpha series.

Math Modules

New York, New York New Century Education

1450 skill booklets, 336 placement tests, 384 pretests, 3 teacher's guides

Supplemental Information: Supplementary Note: Copyright dates range from 1970 to 1973. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the learning disabled, educable mentally handicapped, trainable mentally handicapped and emotionally disturbed.

Descriptors: Learning activity packages, Teachers' guides — Media format; Instructional, Mathematics, Addition, Subtraction, Numeration, Place value, Fractions, Geometry, Measurement, Number concepts, Counting, Grade 1, Visual, Written response, Educable mentally handicapped, Trainable mentally handicapped, Developmental approach, Remedial approach, Diagnostic prescriptive, Emotionally disturbed, Individualized instruction, Diagnostic tests, Self pacing materials, Learning disabled, Pretest posttests.

Abstract: This set of materials is designed to provide an individualized, ungraded, self-paced mathematics program consisting of a system of diagnostic and prescriptive tests as well as instructional materials for students at different performance levels. The "Alpha Series" is intended for use at a grade 1 level but contains 3 levels of materials: "Level A" for remedial instruction, "Level B" for basic instruction, and "Leve C" for accelerated instruction.. The materials consist of 10 consumable skill booklets for each of 80 skills: 650 additional skill booklets for "Level A" and "Level B" 336 placement tests, 384 pretests, 480 answer keys for the pretests and skill booklets, 3 teacher's guides, 336 prescription records, 32 student progress records, an implementation guide, and a scope and sequence chart. Twenty-five skills are specified for "Level B," the level of basic instruction. Numeration and place value skills include counting from 1 to 100 by 2's, 5's, and 10's; ordering numerals and number words to 10; and recognizing place value fo 1's, and 10's.. Addition and subtraction skills consist of dividing sets into equal subsets. Geometric concepts include straight lines and curves; points inside, outside, and on closed curves; and the geometric forms of circles, squares, rectangles, and triangles. In the area of measurement, students are asked to determine volume and weight, to work with coins, and to read a clock. Sets of replacement components are available for purchase. MJJ, 12-76. (003-013 154)

NIMIS IN 027-761

c1973 $396.00

Kaplan, Jerome D.

Beta series.

Math Modules

New York, New York New Century Education

1890 skill booklets, 456 placement tests, 380 pretests, 3 teachers' guides

Supplemental Information: Supplementary Note: Copyright dates range from 1970 to 1973. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, and trainable mentally handicapped.

Descriptors: Learning activity packages, Teachers' guides — Media format; Instructional, Mathematics, Numeration, Place value, Addition, Subtraction, Multiplication, Division, Fractions, Geometry, Measurement, Number concepts, Grade 2, Visual, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Trainable mentally handicapped, Developmental approach, Remedial approach, Diagnostic prescriptive, Individualized instruction, Self pacing materials, Diagnostic tests, Pretest posttests.

Abstract: This set of materials is designed to provide an individualized, ungraded, self-paced mathematics program consisting of a system of diagnostic and prescriptive tests as well as instructional materials for students at different performance levels. The "Beta Series" is intended for use at a grade 2 level but contains 3 levels of materials: "Level B" for remedial instruction, "Level C" for basic instruction, and "Level D" for accelerated instruction. The materials consist of 10 consumable skill booklets for each of 109 skills, 800 additional skill booklets for "Level C," 456 placement tests, 380 pretests, 644 answer keys for the pretests and skill booklets, 3 teachers' guides, 336 prescription records, 32 student progress records, an implementation guide, and a scope and sequence chart.. Forty skills are specified for "Level C," the level of basic instruction. Numeration and place value skills include ordering and recognizing place value of 3-digit numbers. Addition and subtraction skills consist of adding and subtracting 3-digit numbers. Fraction concepts include fractions with denominators to 8 and their multiples. Geometric concepts include lines and line segments, angles, polygons, and solid geometric figures. In the area of measurement, students are asked to measure area and volume, count coin and paper money, and compare Fahrenheit temperatures. This level also includes an introduction to multiplication and division through grouping sets and repeated addition and subtraction. Sets of replacement components are available for purchase. MJJ, 12-76. (003-013 155)

NIMIS IN 027-762

c1973. $444.00

Kaplan, Jerome D.

Gamma series.

Math Modules

New York, New York New Century Education

2130 skill booklets, 552 placement tests, 532 pretests, 3 teachers' guides

Supplemental Information: Supplementary Note: Copyright dates range from 1970 to 1973. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed and learning disabled.

Descriptors: Learning activity packages, Teachers' guides — Media format; Instructional, Mathematics, Numeration, Place value, Addition, Subtraction, Multiplication, Division, Operational properties, Fractions, Geometry, Measurement, Number concepts, Sets, Decimals, Regrouping, Computation, Grade 3, Visual, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Developmental approach, Remedial approach, Diagnostic prescriptive, Individualized instruction, Self pacing materials, Diagnostic tests, Pretest posttests.

Abstract: This set of materials is designed to provide an individualized, ungraded, self-paced mathematics program consisting of a system of diagnostic and prescriptive tests as well as instructional materials for students at different performance levels. The "Gamma Series" is intnded for use at a grade 3 level but contains 3 levels of materials: "Level C" for remedial instruction, "Level D" for basic instruction, and "Level E" for accelerated instruction. The materials consist of 10 consumable skill booklets for each of 125 skills, 880 additional skill booklets for "Level D," 552 placement tests, 532 pretests, 745 answer keys for the pretests and skill booklets, 3 teachers' guides 336 prescription records, 32 student progress records, an implementation guide, and a scope and sequence chart.. Forty-four skills are specified for "Level D," the level of basic instruction. Numeration and place value skills include counting and ordering up to 4-digit numbers. Addition and subtraction skills consist of expanded notation skills for addition and subtraction with regrouping. Multiplication and division skills focus on division facts through 100 and the multiplication of numbers using the commutative, associative, and distributive properties. Skills in fractions include the ability to recognize equivalent fractions and to compare, add, and subtract fractions with the same denominator. Measurement skills include measuring in yards, feet, meters, and centimeters; using ounces, pounds, and tons; and reading a clock in minutes. Work with decimals involves the conversion of fractions and expanded notation to hundredths. Beginning sets theory is also presented at this level. Sets of replacement components are available for purchase. MJJ, 12-76. (003-013 156)

NIMIS IN 027-865

c1974 $7.50

Taylor, Frank D.

Individualized arithmetic skills development.

Denver, Colorado Love Publishing Company

40 duplicating masters

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning disabled, educable mentally handicappd, and trainable mentally handicapped.

Descriptors: Duplicating masters — Media format; Instructional, Mathematics, Measurement, Graphing, Number concepts, Shapes, Primary grades, Kindergarten, Individualized instruction, Visual, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Trainable mentally handicapped.

Abstract: This book includes 40 duplicating masters providing students with opportunities for practice on specific mathematics skills. The activities provide practice in the following areas: geometric shapes, number sequences, measurement, and graphing. Each of the pages are perforated for easy removal. The activities seem appropriate for students in kindergarten through grade 3. LKK, 12-76. (003-012 987)

NIMIS IN 028-325

c1972 $2.25

Buckeye, Donald A.

Primary activities in mathematics.

Troy, Michigan Midwest Publications

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the emotionally disturbed, learning disabled and educable mentally handicapped. This material has been recommended by the publisher for use with special education.

Descriptors: Activity books — Media format; Instructional, Mathematics, Addition, Subtraction, Multiplication, Division, Facts, Number concepts, Counting, Measurement, Time telling, Problem solving, Mixed operations, Emotionally disturbed, Learning disabled, Educable mentally handicapped, LD-P, EMH-P, Primary grades, ED-P, Drill.

Abstract: This 40-page activity book is designed to provide suggestions for games puzzles, and drill activities to reinforce primary level mathematics skills and concepts. The 93 activities are divided into the following areas: addition, combined operations, counting, division, measurement, money, multiplication, number concepts, problem solving, subtraction, and time. MJJ, 1-77. (003-013 604)

NIMIS IN 029-988

c1971 $3.25

Trend Enterprises

Number concepts.

Johnstown, Pennsylvania Mafex Associates

puzzles

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, and learning disabled.

Descriptors: Puzzles — Media format; Instructional, Mathematics, Number concepts, Eye hand coordination, Visual acuity, Primary grades, Visual tactile, Motor response, Educable mentally handicapped, Emotionally disturbed, Learning disabled.

Abstract: This material is designed to give primary grade level students visual and tactile practice in recognizing number concepts. The set contains 20 individual puzzles and each puzzle consists of 3 interchangeable parts. This material is appropriate for developing eye-hand coordination. ECM, 2-77. (003-014 432)

NIMIS IN 030-057

c1974 $18.00

Routledge, Joan

Primary math set.

Glenview, Illinois Scott, Foresman and Company

220 activity cards color 15 x 21 cm guide

Supplemental Information: Supplementary note: Price listed is school price. Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled and trainable mentally handicapped.

Descriptors: Activity cards — Media format; Instructional, Mathematics, Mathematics readiness, Measurement, Number concepts, Geometric forms, Logical thinking, Kindergarten, Primary grades, Visual, Motor response, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Trainable mentally handicapped.

Abstract: This set of 220 activity cards is designed to provide students in kindergarten through grade 3 with experiences in basic concepts of number, measurment, geometry and logic. Each 6 x 8 1/4" card provides the materials needed and directions for each activity or game which is to be done independently or in small groups. The activities for each topic are coded according to difficulty. MJJ, 10-76. (003-012 279)

NIMIS IN 030-312

c1976 $3.95

Hoffman, James D.

Learning center activities; grades k-1 (circus theme).

Learning Center Activities Duplicating Books

Grand Rapids, Michigan Insructional Fair, Inc.,

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the educable mentally handicapped, emotionally disturbed, learning disabled, and trainable mentally handicapped.

Descriptors: Duplicating masters — Media format; Instructional, Perceptual development, Visual discrimination, Visual perception, Manual dexterity, Kindergarten, Grade 1, Visual, Language arts, Classification, Color concepts, Mathematics, Number concepts, Counting, Quantitative concepts, Written response, Educable mentally handicapped, Emotionally disturbed, Learning disabled, Trainable mentally handicapped.

Abstract: This book is designed to provide students in kindergarten through grade 1 with opportunities to practice various skills in perceptual development, mathematics and reading. The book includes 24 duplicating masters revewing the following skills: visual discrimination, coloring defined areas of an object, thinking critically, distinguishing colors, cutting and pasting, learning quantitative concepts, classifying objects, relation numerals to the number of objects, counting to ten, and thinking creatively. Many of the activities center around a circus theme. This is 1 of 7 in the "Learning Center Activities Duplication Books" series. LKK, 3-77. (003-014 851)

NIMIS IN 030-860

c1974 $75.00

Reed, Ronald

Using the metric system.

Niles, Illinois United Learning

6 filmstrips: approx. 60 fr. ea. col. 35mm &6 cassettes, chart, guide

Supplemental Information: Evaluation Information: This material has been reviewed by Specialized Office 3 and judged appropriate for use with the learning disabled.

Descriptors: Filmstrips, Audiotape cassettes, Charts, Teachers' guides — Media format; Instructional, Mathematics, Number concepts, Fractions, Measurement, Metric, Number lines, Proportions, Sizes, Word problems, Problem solving, Computation, Abstract reasoning, Multilevel, Primary grades, Intermediate grades, Auditory visual, Behavioral objectives, Learning disabled.

Abstract: These materials are designed to teach problems solving techniques to primary and intermediate level students using the metric system. The kit includes 6 color filmstrips, 6 accompanying cassettes, 1 scope and sequence chart, and 1 teacher's guide/student activity booklet. The format of the filmstrips is the presentation of story problem situations with cartoon characters. The problem is presented in written form on the filmstrip. These problems are also reproduced on student worksheets and may be used during the filmstrips or after viewing. Other worksheets are included for each filmstrip with such topics as metric prefixes, conversion problems, and review. Each filmstrip unit also includes teacher and student preparation, prerequisite skills, and student objectives. JLD, 10-76. (003-012 141)

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